

Docket Nos. 42310 & 42311
Georgia Power Company's 2019 IRP and 2019 DSM Application
STF-DEA Data Request Set Number 1

STF-DEA-1-31

Question:

Please refer to the Renewable Cost Benefit Framework (Technical Appendix Vol. 2), p. 15, noting that for distributed resources “geographic penetration assumptions will influence the deferred transmission investment calculation.”

- a. Please provide the geographic distribution assumptions used by Georgia Power for this analysis.
- b. Please compare the geographic distribution assumptions to actual installed distributed generation capacity in Georgia.

Response:

- a. As evaluated in the 2016 IRP process, the table below contains Georgia Power's geographic distribution assumptions for distributed generation solar facilities. The assumptions have not changed or been updated since that time.

Distributed Solar Diversity Assumptions Based on Capacity

| OPCO | Regional Allocations | By Region | Total By OPCO |
|--------------|----------------------|-----------|---------------|
| GPC | Atlanta | 44% | 70% |
| | Columbus | 6% | |
| | Macon | 7% | |
| | Augusta | 5% | |
| | Albany/Valdosta | 8% | |
| APC | Birmingham | 6% | 15% |
| | Montgomery | 4% | |
| | Mobile | 5% | |
| MPC | Meridian | 2% | 7% |
| | Hattiesburg | 2% | |
| | Gulfport/Biloxi | 3% | |
| GuPC | Pensacola | 5% | 8% |
| | Other Coastal | 3% | |
| Total | | 100% | 100% |

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- b. The table below contains Georgia Power's geographic distribution as tracked by Company regions for actual installed distributed generation solar facilities.

GPC Distributed Solar Diversity Based on Capacity

| Regional Allocations | | By Region |
|----------------------|--|-----------|
| Central | | 19% |
| Coastal | | 8% |
| East | | 11% |
| Metro | | 7% |
| Northeast | | 4% |
| Northwest | | 9% |
| Savannah | | 3% |
| South | | 26% |
| West | | 14% |
| Total | | 100% |